

DEPARTMENT OF TRANSPORTATION**DIVISION OF ENGINEERING SERVICES**

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.15**SOURCE INSPECTION REPORT****Resident Engineer:**Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** SIR-002356**Date Inspected:** 27-Dec-2009**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1900**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Changxing Dao, Shanghai**Quality Control Contact:** Don Walton**Quality Control Present:** Yes No**Material transfer:** Yes No N/A**Sampled Items:** Yes No N/A**Stock Transfer:** Yes No N/A**OK to Cut:** Yes No N/A**Rebar Test Witness:** Yes No N/A**Delayed/Cancelled:** Yes No N/A**Other:** Coating Inspection**Bridge No:** 34-0006**Component:** Office, OBG 8AE, AOBG 8AW, Trial Assembly**Bid Item:** 77, 78, 79**Lot No:** B265**Summary of Items Observed:**

On this date Caltrans Office of Structural Materials (OSM) Quality Assurance (QA) NACE III coating inspector, Mr. James Lumley arrived on site at the Zhenhua Port Machinery Company (ZPMC) facility at Changxing Island in Shanghai, China. The purpose of the coating inspections are to monitor the surface preparation and coating applications for the SAS Bay Bridge project. This QA NACE III coating inspector observed the following:

Sub-Assemblies

Base Metal surfaces of 196+- Splice Plates GGL-MMQ 1456 code were abrasive blasted to an SSPC SP-10 condition and Interzinc 22 undercoat applied. Profile amplitude was 68-76um.

OBG 8AE

External undercoated surfaces were tested in compliance with the contract documents prior to application of Interfine 979 "Mist" coat. Pencil hardness and MEK rub were performed and also 3 small localized areas were masked off for future repairs and "Mist" coat application.

OBG 8AW

Performed a follow up inspection of the surface preparation during in process undercoat application. Internal Base Metal surfaces were abrasive blasted during the night and subsequently ABF personnel performed 4 inspections and rejected each for Non-compliance with SSPC SP-10 requirement. Caltrans QA Lumley observed application of undercoat to SSPC SP-10 surfaces from Panel Points 62,63 to end weld seam. Also Panel Points 61, 62 were pre-blasted for VT inspection and Caltrans QA Larry Viars mapped accordingly.

Trial Assembly

Caltrans QA Lumley checked East and West line and did not observe any coating related processes other than damage to applied coating.

ABF Office

SOURCE INSPECTION REPORT

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Review and sign ZPMC reports and Notices of Inspection.

Note: All inspections were performed jointly with ABF & ZPMC QA/QC representatives and Caltrans QA Lumley when achievable. International Protective Coatings technical service representative were available for inspections and consultation.

Summary of Conversations:

No relevant conversations on this date.

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Eric Tsang (858) 699-9549, who represents the Office of Structural Materials for your project.

Inspected By:	Lumley,James	Quality Assurance Inspector
Reviewed By:	Peterson,Art	QA Reviewer
